

This trifunctional molecule was used in C-terminus dimerization and PEGylation according to the following reaction scheme (utilizing SEQ ID NO: 2):

Please replace the last paragraph on page 45 with the following paragraph:

This trifunctional molecule was used in N-terminus dimerization and PEGylation according to the following reaction scheme (utilizing SEQ ID NO: 3):

Please replace the last paragraph on page 47 with the following paragraph:

For coupling to the linker, 2 eq peptide is mixed with 1 eq of trifunctional linker in dry DMF to give a clear solution, and 5eq of DIEA is added after 2 minutes. The mixture is stirred at ambient temperature for 14h. The solvent is removed under reduced pressure and the crude product is dissolved in 80% TFA in DCM for 30min to remove the Boc group, followed by purification with C18 reverse phase HPLC. The structure of the dimer is confirmed by electrospray mass spectrometry. This coupling reaction attaches the linker to the nitrogen atom of the ϵ -amino group of the lysine residue of each monomer (SEQ ID NO: 4 in the below reaction scheme).

Please replace the sequence listing with the paper copy included herewith.